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(54) Title: PRECISE BREEDING

(57) Abstruct: The present invention relates to a method for identifying and isolating native plant nucleic acid sequences that may function as T-DNAs or T-DNA border-like sequences, effecting the transfer of one polynucleotide into another polynucleotide. The present invention also provides a modified tuber, such as a genetically modified mature tuber, that comprises at least one trait that is not exhibited by a non-modified tuber of the same species.